

## Abstract

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A filter module 36 for a WOSA/XFS transaction  
processing system is disclosed. The system includes a  
WOSA transaction manager 20 which is responsive to  
transaction requests 12 from one or more applications 10.  
10 A service provider layer is adapted to relay transaction  
requests passed from said transaction manager to  
associated hardware 14 for execution. The filter module  
is adapted to intercept transaction requests 16 from said  
transaction manager 20 to said service provider layer and  
to process said requests. The filter module is further  
15 adapted to intercept transaction responses from said  
service provider layer to said transaction manager and  
the or each application and to process said responses.

- 7 d. a user input means,  
8 e. a card reader, and *a*  
9 f. a storage medium, said storage medium being  
10 adapted to store said transaction processing  
11 system and operating system software.

*sub  
any*  
1 13. An ATM as claimed in claim 12 wherein one of said  
2 applications is operable to request user input from said  
3 user input means and to request data to be read from a  
4 card inserted in said card reader and one of the or each  
5 filter modules is adapted to process said requests.

1 14. An ATM as claimed in claim 12 wherein said user  
2 input means comprises one or more *a* of a numeric keypad, a  
3 set of function keys and a touch screen.

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